

What is claimed is:

1. A resin molding machine for molding a work with resin,
comprising:
a press section having a molding die for clamping and molding the work;
a cavity plate having a cavity hole, which defines a shape and thickness of a resin mold section of the work;
means for setting the work in said press section;
means for repeatedly carrying said cavity plate into and out from said press section; and
means for positioning said cavity plate onto the molding die.
2. The resin molding machine according to claim 1,
wherein said cavity plate is a metal belt, which is circulated or reciprocally moved on a clamping face of the molding die.
3. The resin molding machine according to claim 1,
wherein said cavity plate is wound on a couple of rollers, and
said cavity plate is separated away from a clamping face of the molding die and conveyed between the rollers with a prescribed pitch after the work is molded.
4. The resin molding machine according to claim 1,
wherein said cavity plate is cleaned before carrying into the press section.
5. The resin molding machine according to claim 1,
wherein said cavity plate is a metal plate, which is moved on and

along a circulating track, whose surface is parallel to a clamping face of the molding die.

6. The resin molding machine according to claim 1,
wherein said cavity plate is preheated before carrying into the press section.

7. The resin molding machine according to claim 1,
wherein said cavity plate is circulated via a preheating section, said press section, a degating section and a cleaning section, and
the circulation of said cavity plate is synchronized with actions performed in said sections.

8. The resin molding machine according to claim 1,
wherein the work which has been molded is conveyed from said press section to a degating section, at which useless resin is separated from a molded product and
they are separately collected.

9. The resin molding machine according to claim 1,
wherein the molding die is a transfer molding die including a pair of dies,
a pot, a plunger and a work holding section, on which the work is mounted, are provided in one of the dies,
a cul and resin paths including a runner and a gate are provided in the other die, and
a clamping face of the die including the resin path is covered with a release film.

10. The resin molding machine according to claim 1,
wherein the molding die is a transfer molding die, and
a runner and a gate is formed between a clamping face of the transfer
molding die, which is covered with a release film, and said cavity plate.
11. The resin molding machine according to claim 1,
wherein the molding die is a transfer molding die, whose clamping
face including resin paths is covered with a release film, and
said cavity plate has a groove extended from an edge of the cavity
hole.
12. The resin molding machine according to claim 1,
wherein the molding die is a compression molding die including a pair
of dies,
a work holding section, on which the work is mounted, is provided in
one of the dies,
an overflow cavity, which communicates to the cavity hole of said
cavity plate, is provided in the other die, and
the other die is covered with a release film.
13. The resin molding machine according to claim 1,
wherein the molding die is a compression molding die
a work holding section, on which the work is mounted, is provided in
one of the dies,
an overflow cavity, which communicates to the cavity hole of said
cavity plate, is provided in the other die, which is covered with a release
film, and
the resin supplied to the cavity hole of said cavity plate is absorbed
into the overflow cavity covered with the release film.

14. The resin molding machine according to claim 1,
wherein the molding die is a compression molding die
a work holding section, on which the work is mounted, is provided in
one of the dies,
an overflow cavity, which communicates to the cavity hole of said
cavity plate, is provided in the other die, which is covered with a release
film, and
a groove communicating the cavity hole to the overflow cavity is
formed in said cavity plate.
15. The resin molding machine according to claim 1,
wherein a work holding section, on which the substrate of the work is
mounted, is provided in the molding die, and
means for adjusting variations of thickness of the substrate is provided
to the work holding section.
16. The resin molding machine according to claim 1,
wherein the cavity hole is a concave cavity, and
a vertical gate, which is communicated to the concave cavity, is
formed in said cavity plate.